



CGGGCAATTATATTATACTCTGATCGA  
ACACAGCCGGGATAGCATGACTGAT  
TCCTGCCTTCTTGCTGTATGATGAT  
ATTGGCGGAGCGCGCGGUAGUAGC

PubMed	Nucleotide	Protein	Genome	Structure	PMC	Taxonomy	OMIM	Books	
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1: U22898. Human adenovirus ... [gi:1142658]

## Links

LOCUS HAU22898 700 bp DNA linear VRL 05-JUN-1996  
 DEFINITION Human adenovirus type 5, mutant dl309 early region 3, deletion/insertion sequence.  
 ACCESSION U22898  
 VERSION U22898.1 GI:1142658  
 KEYWORDS .  
 SOURCE Human adenovirus type 5  
 ORGANISM Human adenovirus type 5  
 REFERENCES Viruses; dsDNA viruses, no RNA stage; Adenoviridae; Mastadenovirus.  
 1 (bases 1 to 700)  
 AUTHORS Jones, N. and Shenk, T.  
 TITLE Isolation of deletion and substitution mutants of adenovirus type 5  
 JOURNAL Cell 13 (1), 181-188 (1978)  
 MEDLINE 78082274  
 PUBMED 620421  
 REFERENCES 2 (bases 1 to 700)  
 AUTHORS Jones, N. and Shenk, T.  
 TITLE Isolation of adenovirus type 5 host range deletion mutants defective for transformation of rat embryo cells  
 JOURNAL Cell 17 (3), 683-689 (1979)  
 MEDLINE 80001960  
 PUBMED 476833  
 REFERENCES 3 (bases 1 to 700)  
 AUTHORS Bett, A.J., Krougliak, V. and Graham, F.L.  
 TITLE DNA sequence of the deletion/insertion in early region 3 of Ad5 dl309  
 JOURNAL Virus Res. 39 (1), 75-82 (1995)  
 MEDLINE 96191629  
 PUBMED 8607286  
 REFERENCES 4 (bases 1 to 700)  
 AUTHORS Graham, F.L.  
 TITLE Direct Submission  
 JOURNAL Submitted (15-MAR-1995) Frank L. Graham, McMaster University, Biology, 1280 Main St. West, Hamilton, Ontario L8S 4K1, Canada  
 FEATURES Location/Qualifiers  
 source 1..700  
 /organism="Human adenovirus type 5"  
 /mol\_type="genomic DNA"  
 /specific\_host="Homo sapiens"  
 /db\_xref="taxon:28285"  
 /map="early region 3"  
 /note="mutant dl309"  
repeat\_region 272..401  
 /rpt\_type=tandem  
 /rpt\_unit=282..317  
misc\_recomb 395..534  
 /note="probable origin - carrier DNA used when this mutant"

EXHIBIT D

was isolated; Chinook salmon 3' region of prolactin gene"  
/organism="Oncorhynchus tshawytscha"

BASE COUNT 167 a 155 c 175 g 203 t  
ORIGIN

1 ttgactgggt ctgtgtgcgc tttgcatatc tcagctgctg ccatgttggc ttgctaccat  
61 gtttttca tttgttgctg ccatgctttt gtcgccttag atctctttt atgttagtgg  
121 gtgggtctc tcttgcgtg atgtgtgtt tgtccttat atttttaattt ttaatccaaa  
181 cccctgtccc cgcagaggcc tttgcgttct ggtaggccgt cattgaaaac tgacttaact  
241 cgttaaatta aaaaaatgtt aaaaataatg gttgagactc agcccaacat cggcagatga  
301 ggtggattga gactcagccc aacatcgca gatgaggtgg attgagactc aaccccaaca  
361 ttggcagatg aggtgaatta gatgaggtgg attgagactc atgagggtgg tatgagggcc  
421 cgacgtccac aggtggagt tttgtttac agtccaacgt gcaggacgct tggcatttgc  
481 cagagaacac caagattggc aaattcgca a tggcgcctt gtgtcttca cagacggaaa  
541 aatgacccaa atctgattat tttgtaaaaa cggaaaccga atgtccgaca aagttcattt  
601 gatgacttcc cggtaggtct gccctgccc tgggccgacg ccgtccggga attttacaaa  
661 cgatttcgga cgtctagcat tcactcacct tgtcaaggac

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